

Case Docket No. TRIPEP.056A

Date: May 18, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)

Matti Sällberg

Appl. No.

10/773,628

Filed

February 5, 2004

For

GLYCOSYLATED

SPECIFICITY EXCHANGERS

Examiner

Unassigned

Group Art Unit:

Unassigned

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

May 18, 2004 (Date)

Eric S. Furman, A.D., Reg. No. 45,664

TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

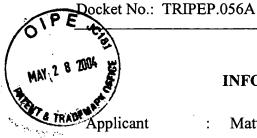
- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with one hundred seventy-five (175), which are also enclosed in two boxes. Box one includes the U.S. and Foreign patents listed on the form PTO-1449 and box two includes the articles listed on the form PTO-1449.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Eric S. Furman, Ph.D.

Registration No. 45,664 Attorney of Record

Customer No. 20,995

(619) 235-8550



INFORMATION DISCLOSURE STATEMENT

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Matti Sällberg

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Dear Sir:

Enclosed is form PTO-1449 listing one hundred seventy-five (175) references that are also enclosed in two boxes. Box one includes the U.S. and Foreign patens listed on the form PTO-1449, and box two includes the articles listed on the form PTO-1449.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 5/18/04

By:

Eric S. Farman, Ph.D. Registration No. 45,664 Attorney of Record Customer No. 20,995

(619) 235-8550

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE
	DISCLOSURE STATEMENT Y APPLICANT
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ATTY. DOCKET NO. TRIPEP.056A	APPLICATION NO. 10/773,628
APPLICANT Matti Sällberg	
FILING DATE February 5, 2004	GROUP Unassigned

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1.	2004/0001853	01/01/04	George et al.			
	2.	2003/0021789A1	01/30/03	Xu et al.			
	3.	2003/0044418 A1	03/06/03	Davis et al.			,
,	4.	2002/0025513 A1	02/28/02	Sällberg			
	5.	2002/0058247 A1	05/16/02	Sällberg			
	6.	4,169,138	09/25/79	Jonsson			
	7.	4,376,110	03/08/83	David et al.			
, ,	8.	4,471,058	09/11/84	Smith et al.			
	9.	4,486,530	12/04/84	David et al.	T		
	10.	4,589,881	05/20/86	Pierschbacher et al.			
	11.	4,946,778	08/07/90	Ladner et al.			, , , , , , , , , , , , , , , , , , ,
	12.	5,091,513	02/25/92	Huston et al.			
	13.	5,175,096	12/29/92	Hook et al.	-		
	14.	5,189,015	02/23/93	Hook et al.			
	15.	5,196,510	03/23/93	Rodwell et al.	-		
	16.	5,260,189	11/09/93	Formoso et al.			
	17.	5,320,951	06/14/94	Hook et al.			
	18.	5,416,021	05/16/95	Hook et al.			
	19.	5,440,014	08/08/95	Hook et al.			W. 17
	20.	5,561,049	10/01/96	Vold et al.	1		
	21.	5,571,511	11/05/96	Fischer			
	22.	5,571,514	11/05/96	Hook et al.			
	23.	5,582,975	12/10/96	Milliman			
	24.	5,583,042	12/10/96	Roth			
	25.	5,601,830	02/11/97	Su et al.		-	
	26.	5,627,263	05/06/97	Ruoslahti et al.			
	27.	5,652,217	07/29/97	Hook et al.			

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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM P	TO-1449
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY, DOCKET NO. TRIPEP.056A APPLICATION NO. 10/773,628

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT Matti Sällberg

(USE SEVERAL SHEETS IF NECESSARY)

FILING DATE GROUP February 5, 2004 GROUP Unassigned

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	28.	5,700,928	12/23/97	Hodgson et al.			
	29.	5,766,857	06/16/98	Ruoslahti et al.			
	30.	5,766,591	06/16/98	Brown			
	31.	5,770,208	06/23/98	Fattom et al.			
	32.	5,770,702	06/23/98	Hook et al.			
	33.	5,776,712	07/07/98	Kuusela et al.			<u>-</u> .
	34.	5,789,549	08/04/98	Hook et al.			·
	35.	5,840,846	11/24/98	Hook et al.			
	36.	5,843,774	12/01/98	Ginsberg	_		
	37.	5,846,536	12/08/98	Bissell et al.			··
	38.	5,866,541	02/02/99	Hook et al.			
	39.	5,869,232	02/09/99	Sällberg			
	40.	5,888,738	03/30/99	Hendry	,		
	41.	5,929,220	07/27/99	Tong et al.			
	42.	5,942,606	08/24/99	Lal et al.			 .
	43.	5,955,078	09/21/99	Burnham et al.			
	44.	5,980,908	11/09/99	Hook et al.			
	45.	5,981,274	11/09/99	Tyrrell et al.			
	46.	6,008,341	12/28/99	Foster et al.			
	47.	6,030,613	02/29/00	Blumberg, et al.			
	48.	6,040,137	03/21/00	Sällberg			
	49.	6,046,040	04/04/00	Nishiguchi et al.			
	50.	6,066,648	05/23/00	Duggan et al.			
	51.	6,077,677	06/01/00	Hodgson et al.		-	
	52.	6,086,875	07/11/00	Blumberg, et al.			
	53.	6,086,895	07/11/00	Hook et al.			
	54.	6,087,330	07/11/00	Kogan et al.		 	

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DATE CONSIDERED

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U.S. DEPARTMENT OF COMMERCE

ATTY. DOCKET NO. PATENT AND TRADEMARK OFFICE TRIPEP.056A

APPLICATION NO. 10/773,628

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	55.	6,090,388	07/18/00	Wang				
	56.	6,090,944	07/18/00	Hutchinson				
	57.	6,093,539	06/25/00	Maddon et al.				
	58.	6,245,895	06/12/01	Sällberg				
	59.	6,303,120	10/16/01	Danishefsky et al.				
	60.	6,417,324	07/09/02	Sällberg				
	61.	6,458,937	10/01/02	Bertozzi et al.				
	62.	6,469,143	10/22/02	Sällberg				
	63.	6,485,726 B1	11/26/02	Blumberg, et al.				
	64.	6,660,842	12/09/03	Sällberg				

	FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
INITIAL							YES	NO
	65.	0 182 546 A2	05/28/86	EPO			_	
	66.	0 508 427 A	10/14/92	EPO				-
	67.	WO 02/24887	03/28/02	WIPO				
	68.	WO 01/81421	11/01/01	WIPO				
	69.	WO 00/66621	11/09/00	WIPO			. "	
	70.	WO 00/26385 A	05/11/00	PCT				
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	73.	WO 98/31389	07/23/98	PCT				
	74.	WO 98/03543	01/29/98	WIPO				
	75.	WO 95/22249 A	08/24/95	PCT				
	76.	WO 95/29938	11/95	PCT				
	77.	WO 95/08577	03/30/95	WIPO				

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FOREIGN PATENT DOCUMENTS								
EXAMINER		DOCUMENT NUMBER		COUNTRY	CLASS	SUBCLASS	TRANSLATION	
INITIAL							YES	NO
	78.	WO 94/13804	06/23/94	WIPO			-	
	79.	WO 93/17044	09/02/93	PCT				
	80.	WO 93/15210	08/05/93	WIPO				

EXAMINER INITIAL	OTHER DOCUMENTS UNCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	81.	Barbas et al., "Assembly of combinatorial antibody libraries on phage surfaces: The gene III site," <i>Proc. Natl. Acad. Sci. USA</i> , 88:7978-7982, (1991).
	82.	Bianchi, et al., "Affinity Purification of a Difficult-Sequence Protein: Implications for the Inclusion of Capping in Synthetic Protocols." Int. J. Pept. Protein Res., 42(1):93-96, July 1993.
	83.	Bianchi, ct al., "Chemical Synthesis of a Designed Beta-Protein Through the Flow-Polyamide Method" Int. J. Pept. Protein Res., 41(4):385-393, April 1993,
	84.	Bichko et al., "Epitopes recognized by antibodies to denatured core protein of hepatitis B virus," <i>Mol. Immunol.</i> , 30(3):221-231, (1993).
	85.	Brett et al., "The invasin protein of Yersinia spp. provides co-stimulatory activity to human T cells through interaction with beta 1 integrins," <i>Eur. J. Immunol.</i> , 23(7):1608-1614 (1993).
	86.	Cello J, et al., "Identification of group-common linear epitopes in structural and nonstructural proteins of enteroviruses by using synthetic peptides," <i>J. Clin. Microbiol.</i> , 31(4):911-916 (1993).
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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APPLICATION NO. 10/773,628

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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FILING DATE February 5, 2004 GROUP Unassigned

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)				
	98.	Felding-Habermann et al., "Role of ß3 Integrins in Melanoma Cell Adhesion to Activated Platelets under Flow," J. Biol. Chem., 271(10):5892-5900 (1996).			
	99.	Flock, "Extracellular-Matrix-Binding Proteins as Targets for the Prevention of Staphylococcus Aureus Infections," (1999) Molecular Medicine Today, Vol. 5 pp 532-537.			
		Ganem, "Hepadnaviridae and Their Replication," Fields Virology, Third Ed., Ch. 85, pp. 2703-2705, 1996.			
•	101.	GenCore sequence alignment of SEQ ID NO: 16 with the L-chain variable region of plasminogen activator antibody of JP61172900-A, Ashi Chemical Ind. KK. 4/8/1986, ID NO: p. 61027.			
	102.	GLYCOPROTEINS, http://www.cs.stedwards.edu/chem/Chemistry/CHEM43/CHEM43/Glycoproteins/Glycopro.			
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	104.	Grabowska et al., "Identification of type-specific domains within glycoprotein G of herpes simplex virus 2 (HSV-2) recognized by the majority of patients infected with HSV-2, but not by those infected with HSV-1," <i>Journal of General Virology</i> , 80(7):1789-1798 (1999).			
	105.	Greenspan et al., "Defining epitopes: It's not as easy at it seems," Nature Biotechnology, Vol. 17, pp. 936-937, October 1999.			
	106.	Haseltine "Replication and Pathogenesis of the AIDS Virus," <i>Journal of Acquired Immune Deficiency Syndromes</i> , 1(3):217-240 and 231-236, (1988).			
	107.	Henschen A. et al., "Preliminary Note on the Completion of the β-Chain Sequence", (1997) Z. Physiol. Chem., 358:1643-1646.			
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	113.	Korba and Milman, "A cell culture assay for compounds which inhibit hepatitis B virus replication," Antiviral. Res., 15(3):217-228 (1991).			
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	115.	Lazdina et al., Journal of Virology, 75(14):6367-6374, July 2001.			
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	FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. TRIPEP.056A	APPLICATION NO. 10/773,628
BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		Y APPLICANT	APPLICANT Matti Sällberg	
		SHEETS IF NECESSARY)	FILING DATE	GROUP

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, FERTINENT FAGES, &TC.)				
	120.	Li et al., "Adenovirus-mediated expression of pig α(1,3) galactosyltransferase reconstructs Gal α(1, 3) Gal epitope on the surface of human tumor cells," <i>Cell Research</i> , 11(2):116-124 (2001), http://www.cell-research.com/20012/01-2-xl.html .			
	121.	Lottspeich F. et al., "Preliminary Note on the Completion of the γ-Chain Sequence," (1977) Z. Physiol. Chem., 358:935-938.			
	122.	Lowman HB, "Bacteriophage display and discovery of peptide leads for drug development," <i>Annu. Rev. Biophys. Biomol. Struct.</i> , 26:401-424 (1997).			
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131. Neuberger et al., "Ro		Neuberger et al., "Recombinant antibodies possessing novel effector functions," Nature, 312:604-608 (1984).			
132. Ogg et a		Ogg et al., "Sensitization of tumour cells to lysis by virus-specific CTL using antibody-targeted MHC class l/peptide complexes," <i>British Journal of Cancer</i> , 82(5):1058-1062 (2002).			
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		Ramberg, "The Nutrition Science Site: Glyconutritionals," http://glycoscience.com/glycoscience/document_viewer.wm?&ID=719 (2000).			
	137.	Randall et al., "High-throughput Chemistry toward Complex Carbohydrates and Carbohydrate-like Compounds ^a ," http://www.bentham.org/sample-issues/cchts5-2/arya/arya-ms.htm .			
	138.	Roivanen et al., "Antigenic regions of poliovirus type 3/Sabin capsid proteins recognized by human sera in the peptide scanning technique," <i>Virology</i> , 180:99-107 (1991).			
	139.	Rudd et al., "Glycosylation and the Immune System," Science, 291:2370-2376 (2001) http://sciencemag.org.			
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO. APPLICATION NO. PATENT AND TRADEMARK OFFICE TRIPEP.056A 10/773,628 INFORMATION DISCLOSURE STATEMENT **BY APPLICANT** APPLICANT Matti Sällberg FILING DATE **GROUP**

February 5, 2004

(USE SEVERAL SHEETS IF NECESSARY)

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	141.	Rüther and Müller-Hill, "Easy identification of cDNA clones," EMBO Journal, 2(10):1791-1794 (1983).
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	145.	Sällberg et al., "Immunochemical structure of the carboxy-terminal part of hepatitis B e antigen: identification of internal and surface-exposed sequences," <i>Journal of General Virology</i> , 74: 1335-1340, 1993.
	146.	Sällberg et al., Peptides: Chemistry and Biology, pp. 715-718, 1993.
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(USE SEVERAL	L SHEETS IF NECESSARY)	FILING DATE February 5, 2004	GROUP Unassigned

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